

Abstract

In an IP-based Code Division Multiple Access (CDMA) 2000 packet-data cellular telecommunications network, a method and system for handing over a dormant Mobile Node (MN) to a target packet zone. According to the invention, first the dormant MN sends an origination request message to the target Base Station Controller and Packet Control Function (BSC/PCF), which further sends a registration request comprising an indication that the MN is dormant to a Packet Data Service Node (PDSN). The PDSN replies to the BSC/PCF with a registration reply message for requesting the establishment of a traffic channel for the MN, and for indicating that it has data packets ready to be sent to the MN, such as for example Link Control Protocol (LCP) data packets for use in the negotiation of a new Point-to-Point Protocol (PPP) connection. The registration reply message comprises an indication such as for example a Data ready to Sent (DRS) parameter set to 1. The BSC/PCF establishes the traffic channel and forwards the data packets to the MN. Following the receipt of the registration reply in the BSC/PCF, the paging of the MN is avoided.